Redacted

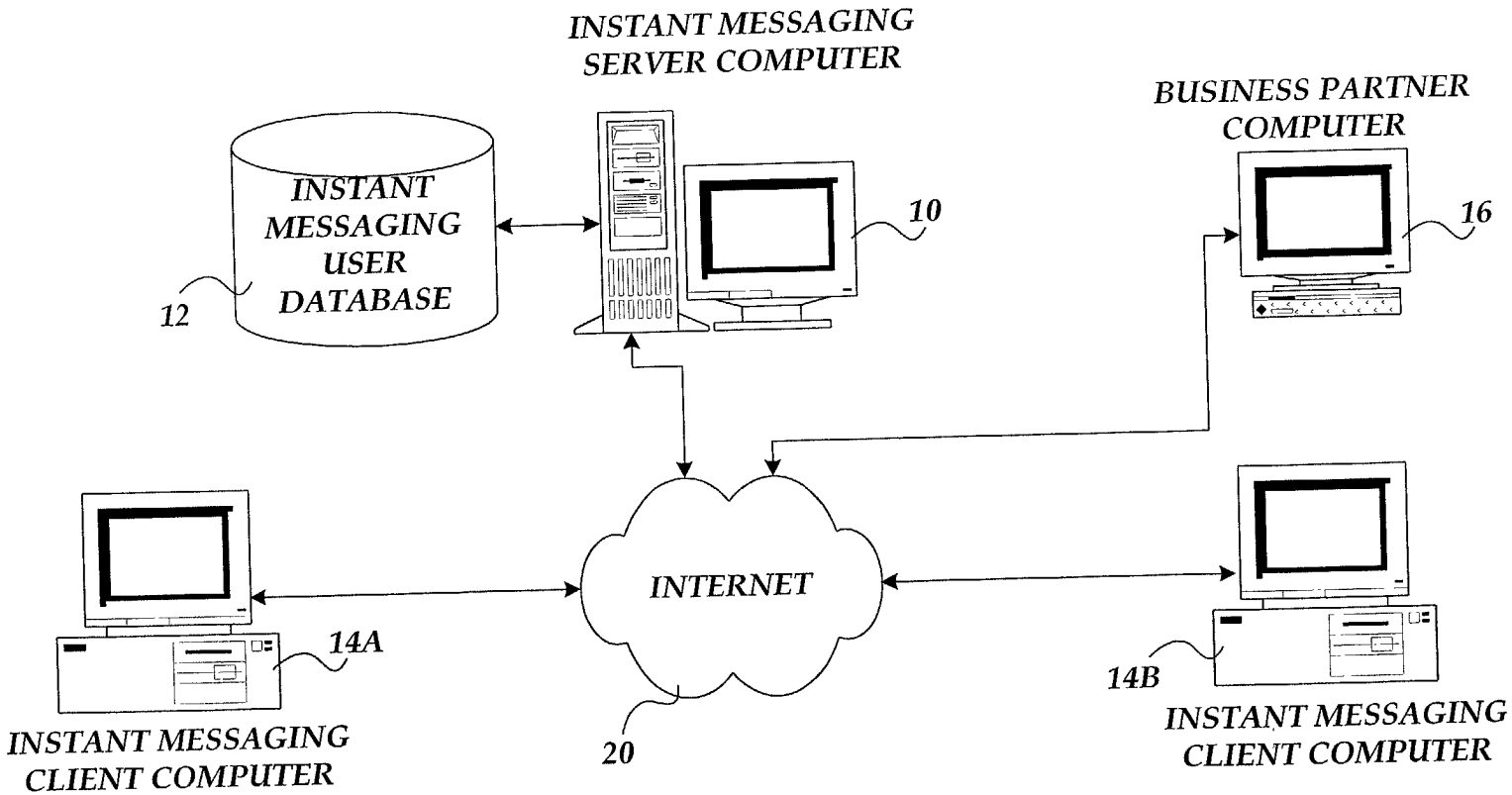

Fig.1

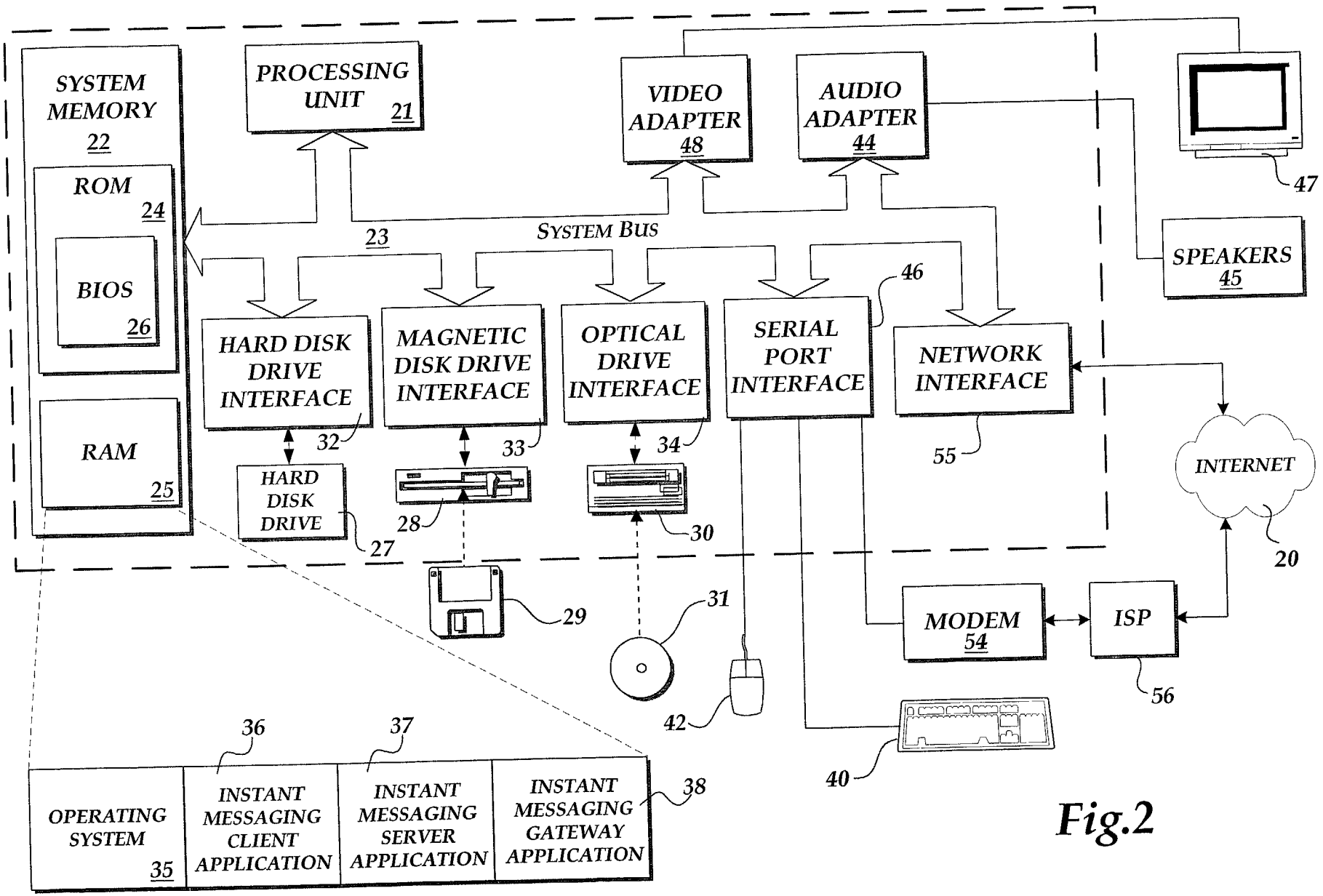
SYSTEM MEMORY 22
ROM 24
BIOS 26
RAM 25
PROCESSING UNIT 21
VIDEO ADAPTER 48
AUDIO ADAPTER 44
47
SYSTEM BUS
23
SPEAKERS 45
46
HARD DISK DRIVE INTERFACE
MAGNETIC DISK DRIVE INTERFACE
OPTICAL DRIVE INTERFACE
SERIAL PORT INTERFACE
NETWORK INTERFACE
32
33
34
55
INTERNET
HARD DISK DRIVE
27
28
30
20
29
31
MODEM 54
ISP
56
42
40
36
37
38
OPERATING SYSTEM 35
INSTANT MESSAGING CLIENT APPLICATION
INSTANT MESSAGING SERVER APPLICATION
INSTANT MESSAGING GATEWAY APPLICATION

Fig.2

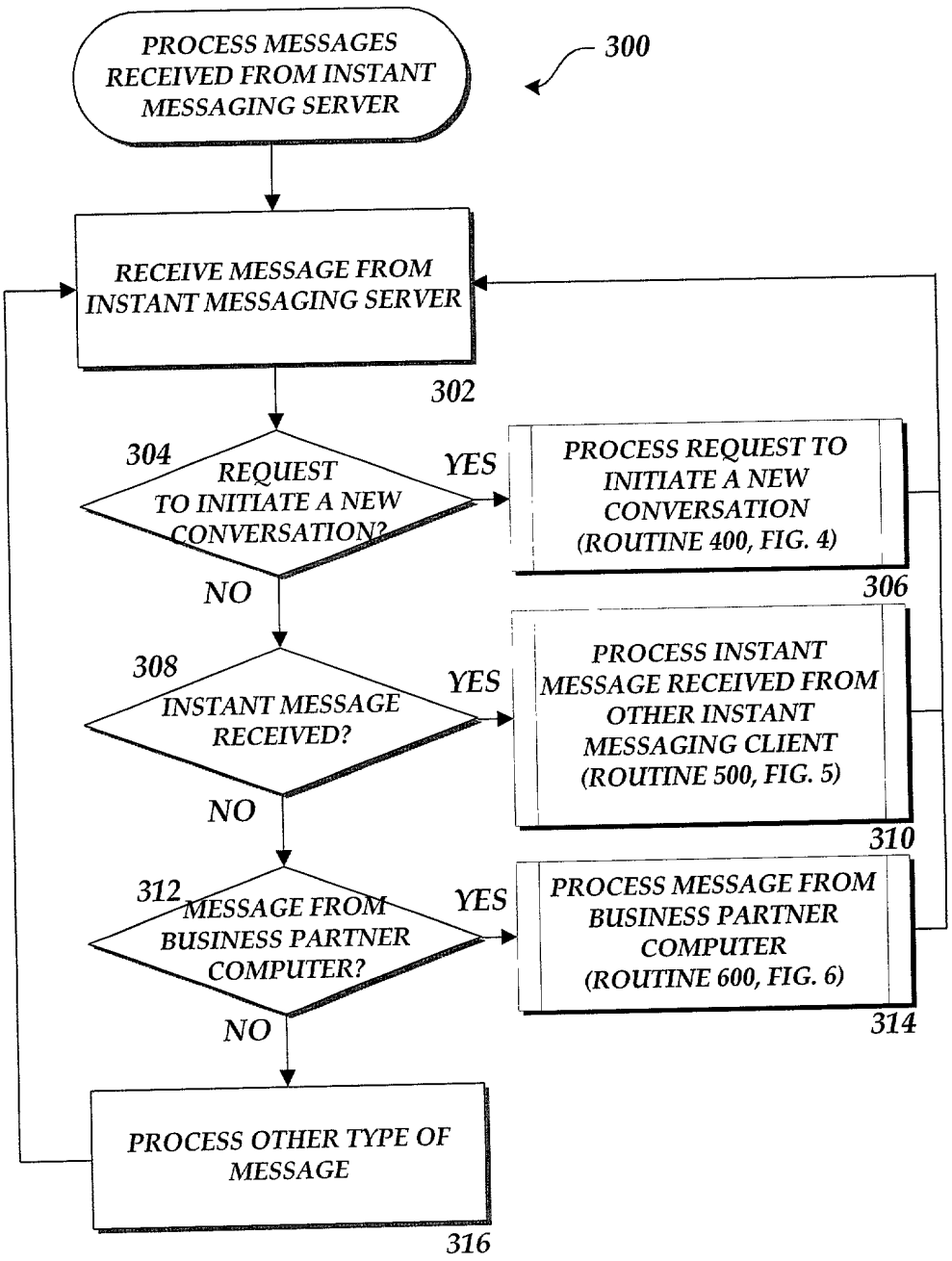
PROCESS MESSAGES RECEIVED FROM INSTANT MESSAGING SERVER
300
RECEIVE MESSAGE FROM INSTANT MESSAGING SERVER
302
304
REQUEST TO INITIATE A NEW CONVERSATION?
YES
PROCESS REQUEST TO INITIATE A NEW CONVERSATION (ROUTINE 400, FIG. 4)
306
NO
308
INSTANT MESSAGE RECEIVED?
YES
PROCESS INSTANT MESSAGE RECEIVED FROM OTHER INSTANT MESSAGING CLIENT (ROUTINE 500, FIG. 5)
310
NO
312
MESSAGE FROM BUSINESS PARTNER COMPUTER?
YES
PROCESS MESSAGE FROM BUSINESS PARTNER COMPUTER (ROUTINE 600, FIG. 6)
314
NO
PROCESS OTHER TYPE OF MESSAGE
316

Fig.3

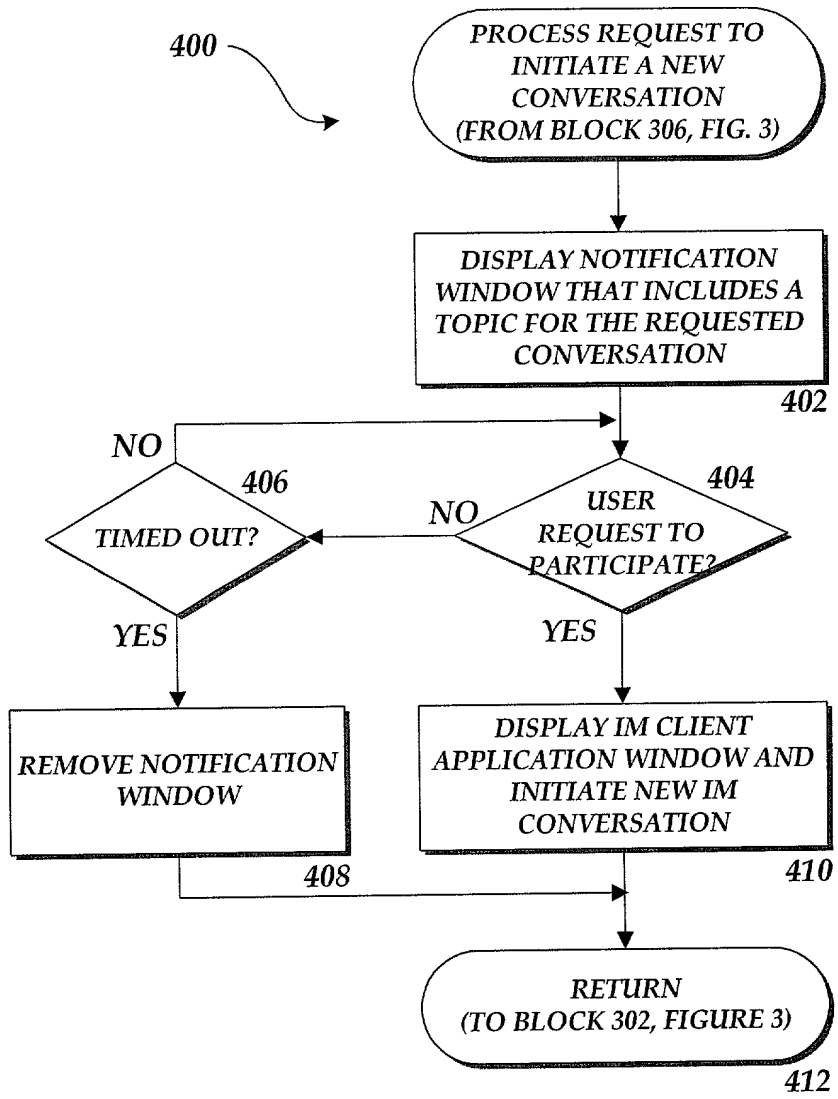
400
PROCESS REQUEST TO INITIATE A NEW CONVERSATION (FROM BLOCK 306, FIG. 3)
DISPLAY NOTIFICATION WINDOW THAT INCLUDES A TOPIC FOR THE REQUESTED CONVERSATION
402
NO
406
TIMED OUT?
NO
404
USER REQUEST TO PARTICIPATE?
YES
YES
REMOVE NOTIFICATION WINDOW
408
DISPLAY IM CLIENT APPLICATION WINDOW AND INITIATE NEW IM CONVERSATION
410
RETURN (TO BLOCK 302, FIGURE 3)
412

Fig.4

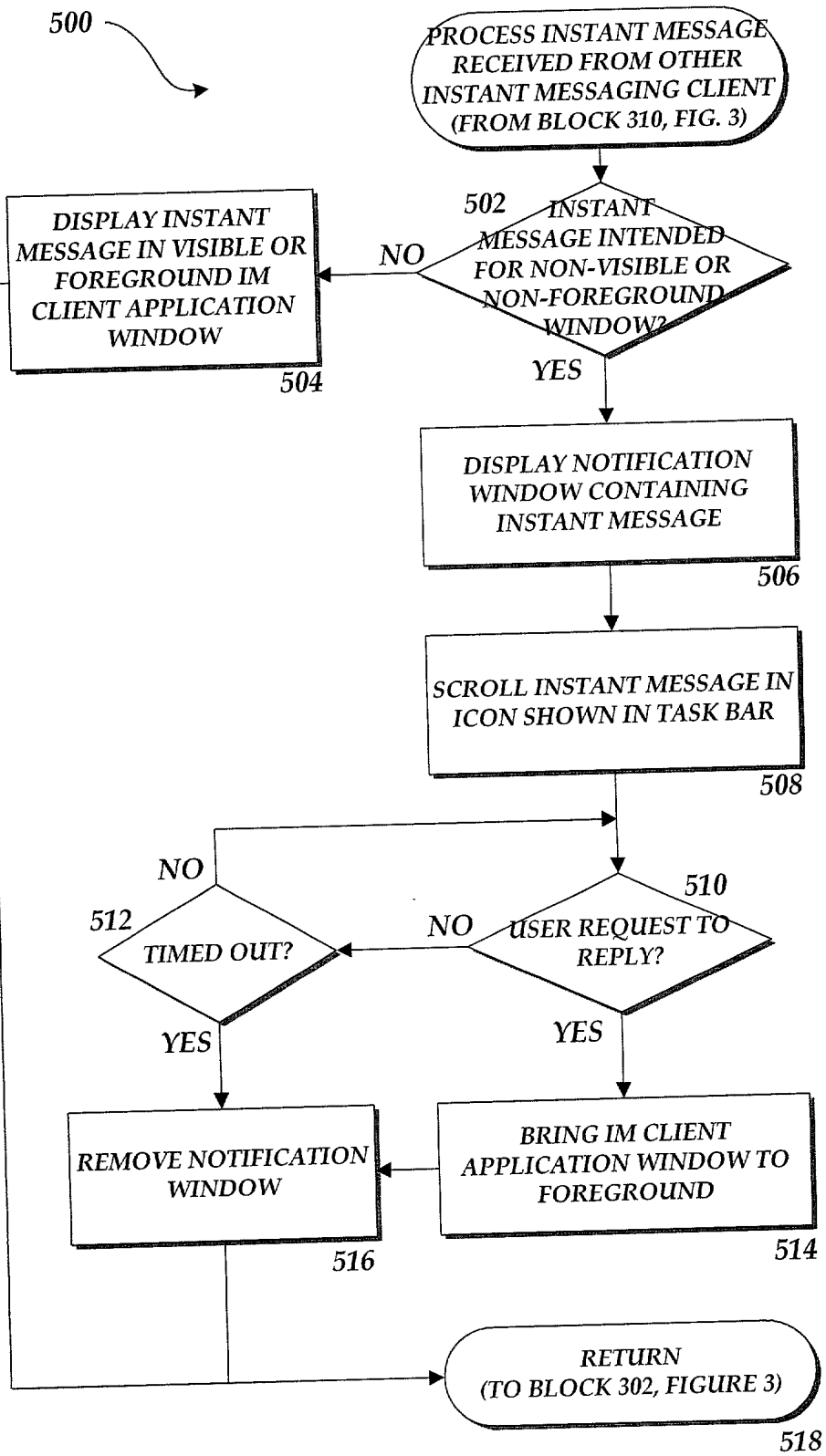
500
PROCESS INSTANT MESSAGE RECEIVED FROM OTHER INSTANT MESSAGING CLIENT (FROM BLOCK 310, FIG. 3)
502
INSTANT MESSAGE INTENDED FOR NON-VISIBLE OR NON-FOREGROUND WINDOW?
NO
DISPLAY INSTANT MESSAGE IN VISIBLE OR FOREGROUND IM CLIENT APPLICATION WINDOW
504
YES
DISPLAY NOTIFICATION WINDOW CONTAINING INSTANT MESSAGE
506
SCROLL INSTANT MESSAGE IN ICON SHOWN IN TASK BAR
508
NO
510
USER REQUEST TO REPLY?
NO
512
TIMED OUT?
YES
YES
REMOVE NOTIFICATION WINDOW
516
BRING IM CLIENT APPLICATION WINDOW TO FOREGROUND
514
RETURN (TO BLOCK 302, FIGURE 3)
518

Fig.5

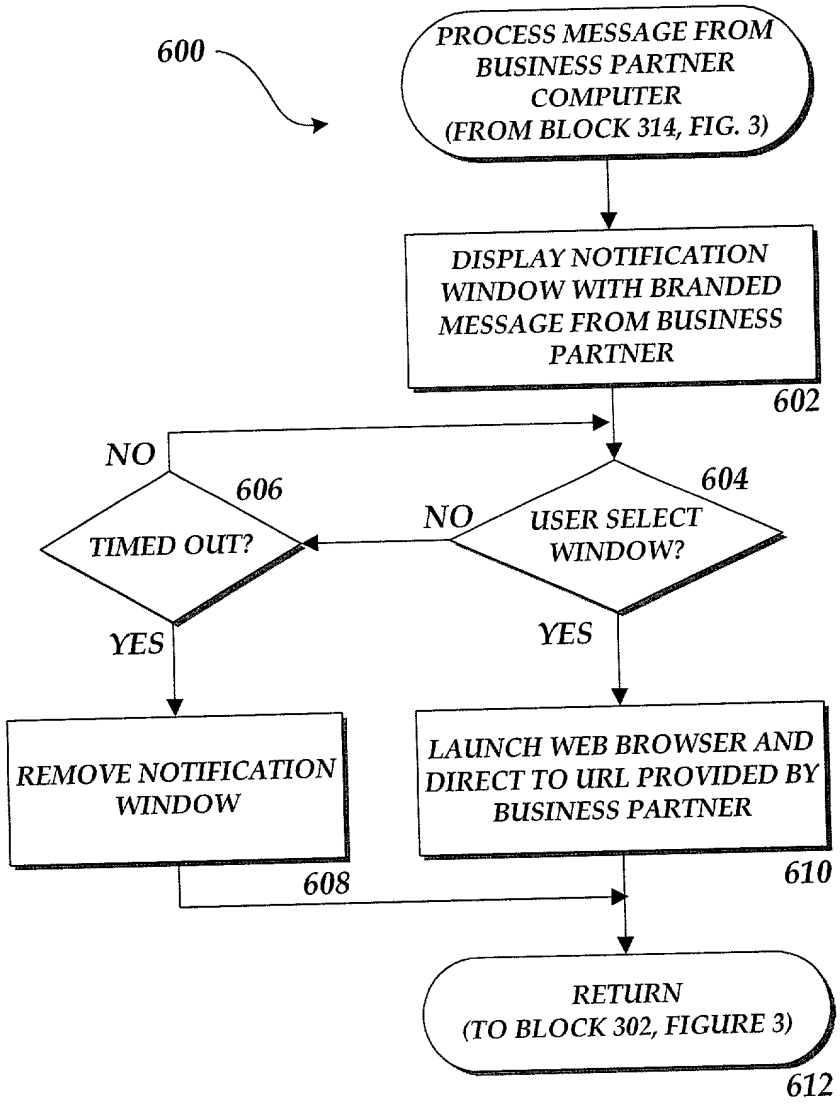
600
PROCESS MESSAGE FROM BUSINESS PARTNER COMPUTER (FROM BLOCK 314, FIG. 3)
DISPLAY NOTIFICATION WINDOW WITH BRANDED MESSAGE FROM BUSINESS PARTNER
602
NO
606
TIMED OUT?
NO
604
USER SELECT WINDOW?
YES
YES
REMOVE NOTIFICATION WINDOW
608
LAUNCH WEB BROWSER AND DIRECT TO URL PROVIDED BY BUSINESS PARTNER
610
RETURN (TO BLOCK 302, FIGURE 3)
612

Fig.6

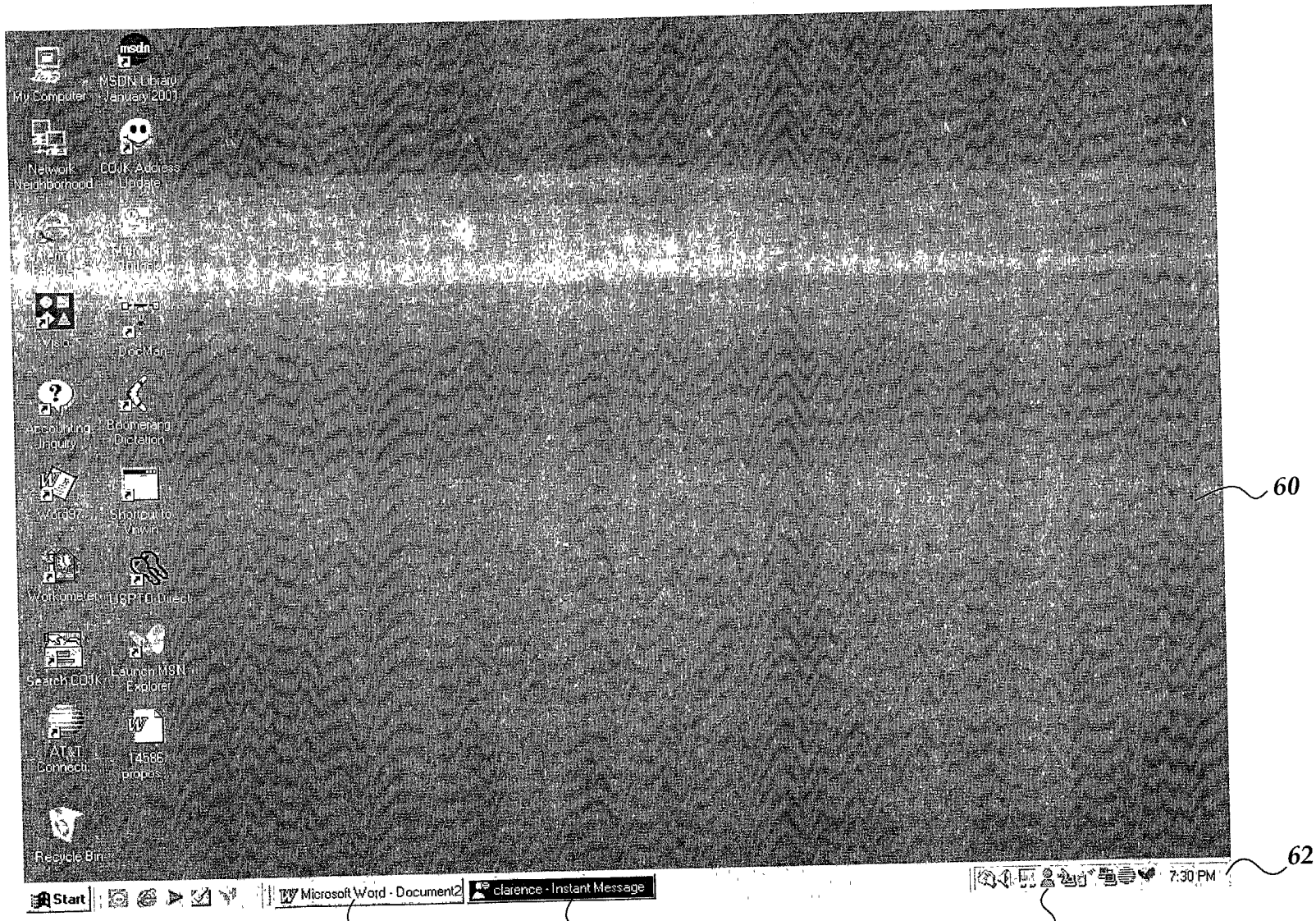
MSDN Library January 2001
Network Neighborhood
COMX Address Update
Vision
DocMan
Accounting Inquiry
Boomerang Dictation
Word97
Shortcut to Vision
Workometer
USPTO Direct
Search COMX
Launch MSN Explorer
AT&T Connect
T4586 propos
Recycle Bin
Start
Microsoft Word - Document2
clarence - Instant Message
7:30 PM
60
62
64
66
68

Fig.7A

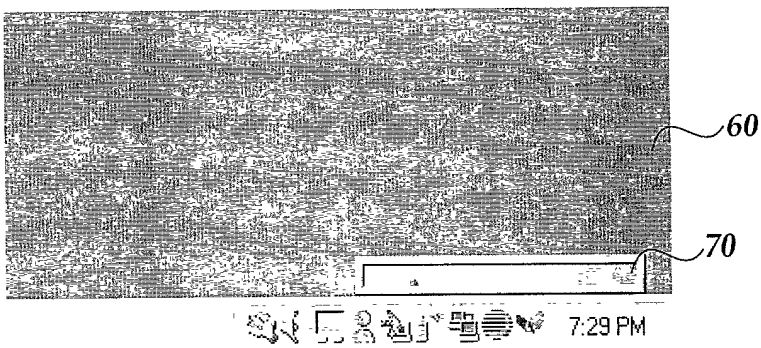

Fig.7B

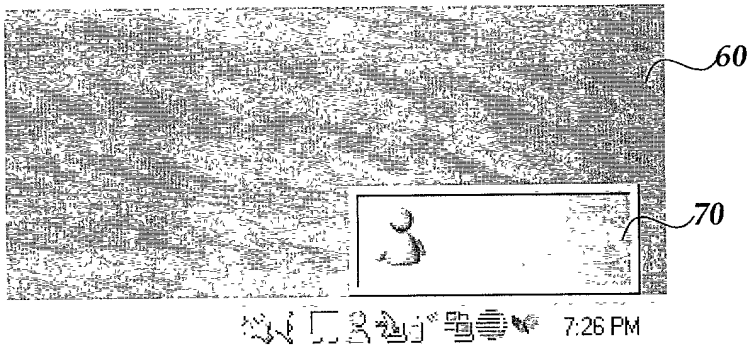

Fig.7C

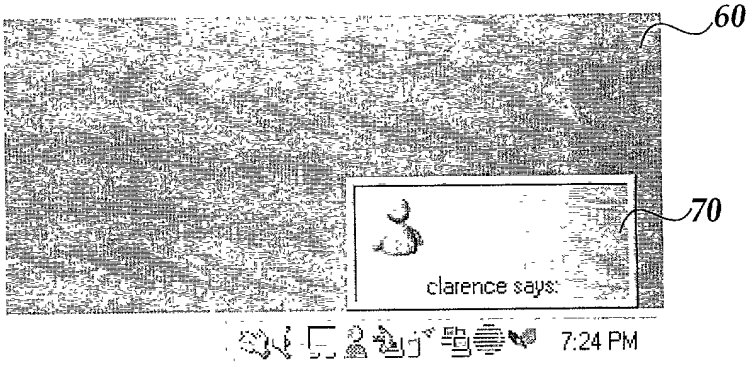

Fig.7D

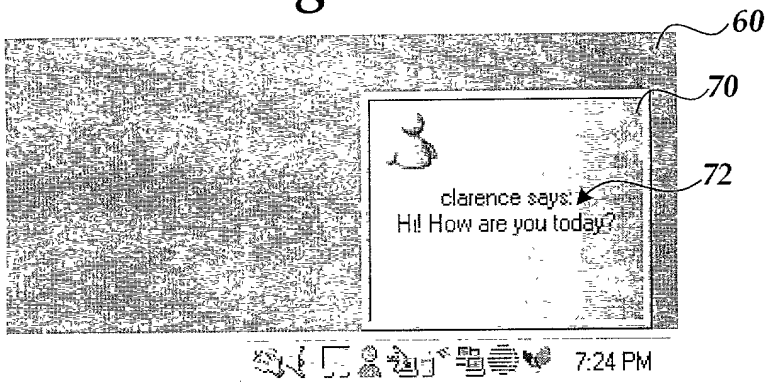

Fig.7E

Tapestry Escrowed

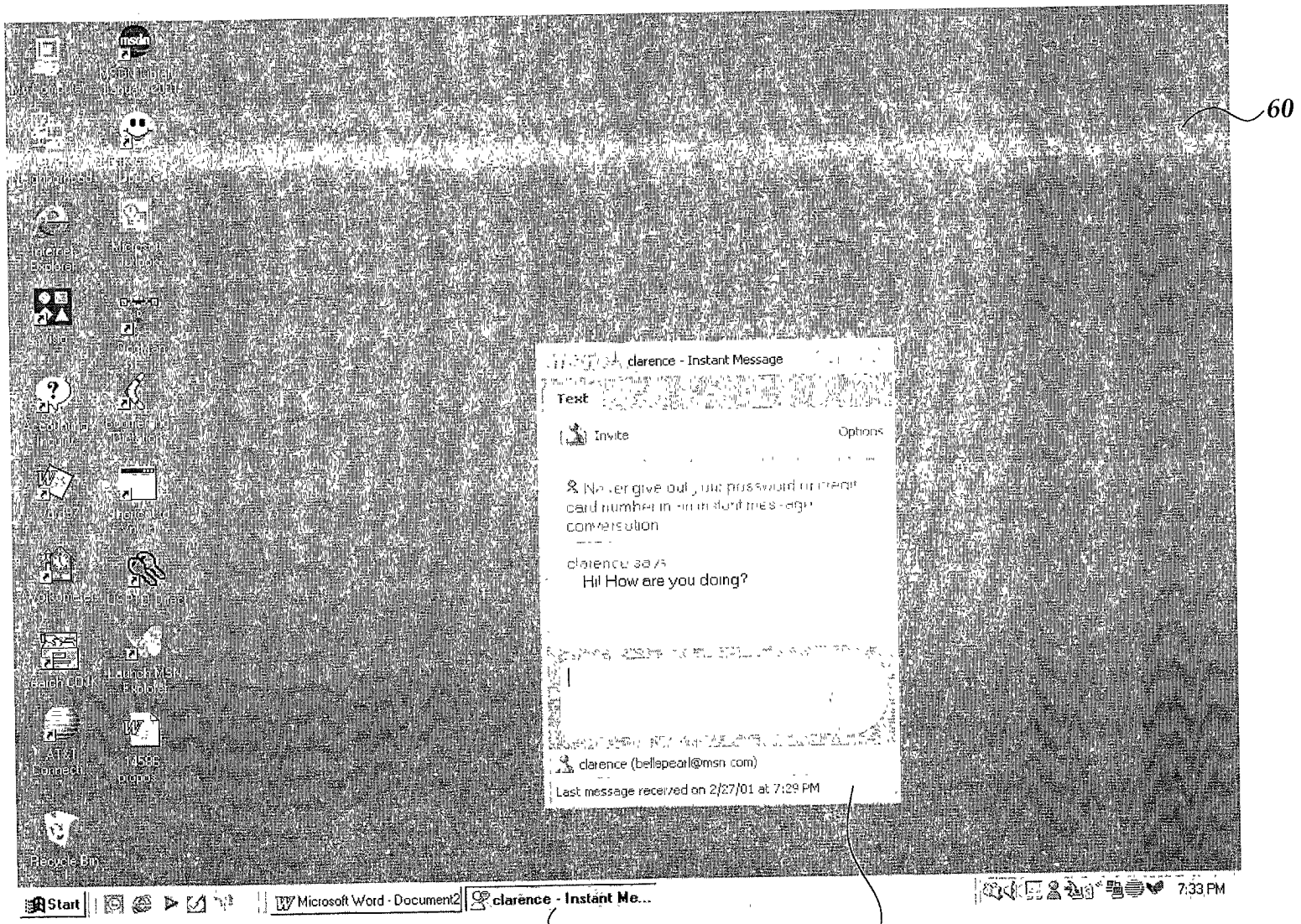

Fig.8

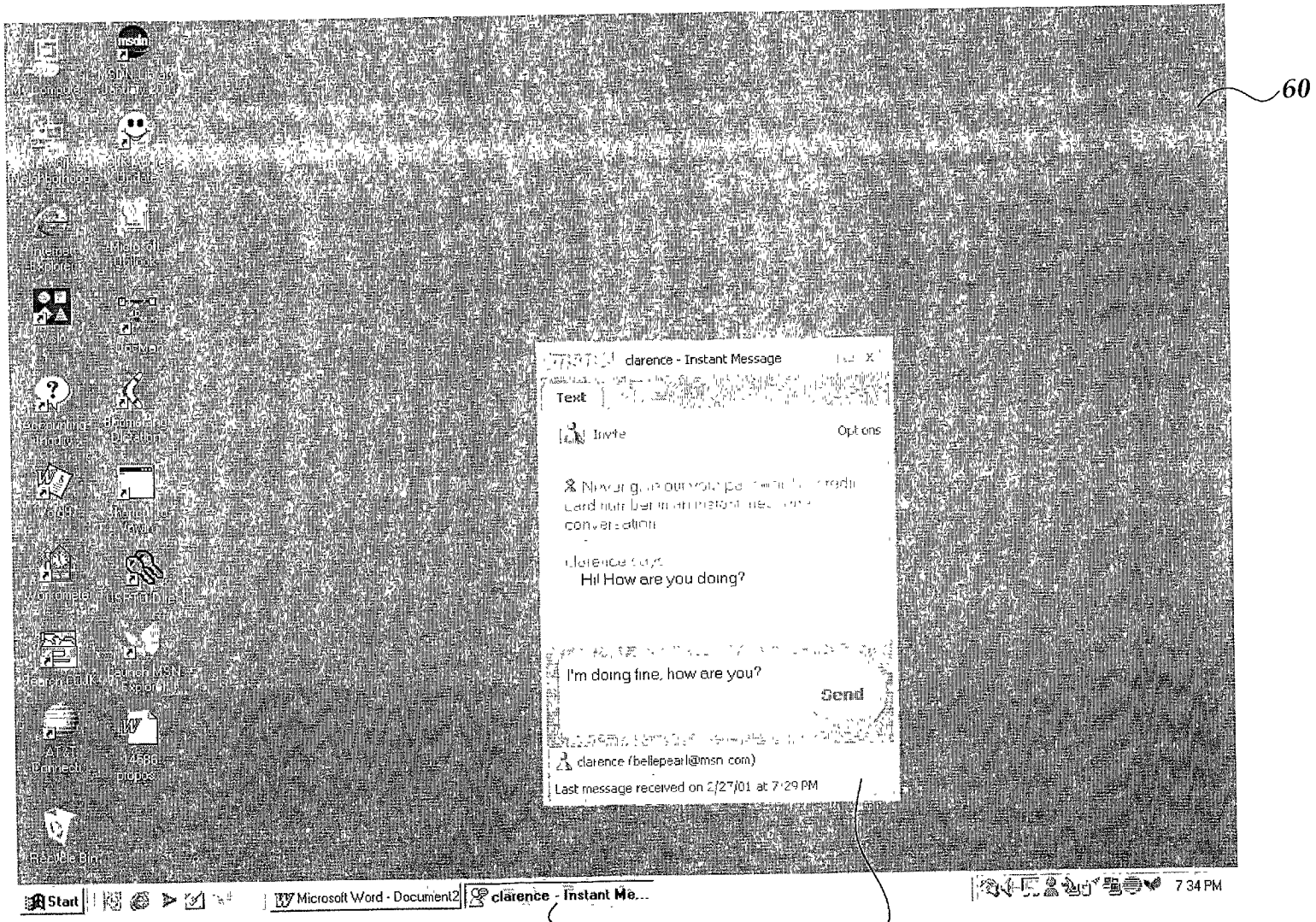
clarence - Instant Message
Text
Invite
Options
Hi! How are you doing?
I'm doing fine, how are you?
Send
clarence (bellepearl@msn.com)
Last message received on 2/27/01 at 7:29 PM
Start
Microsoft Word - Document2
clarence - Instant Me...
7:34 PM
60
66
74

Fig.9

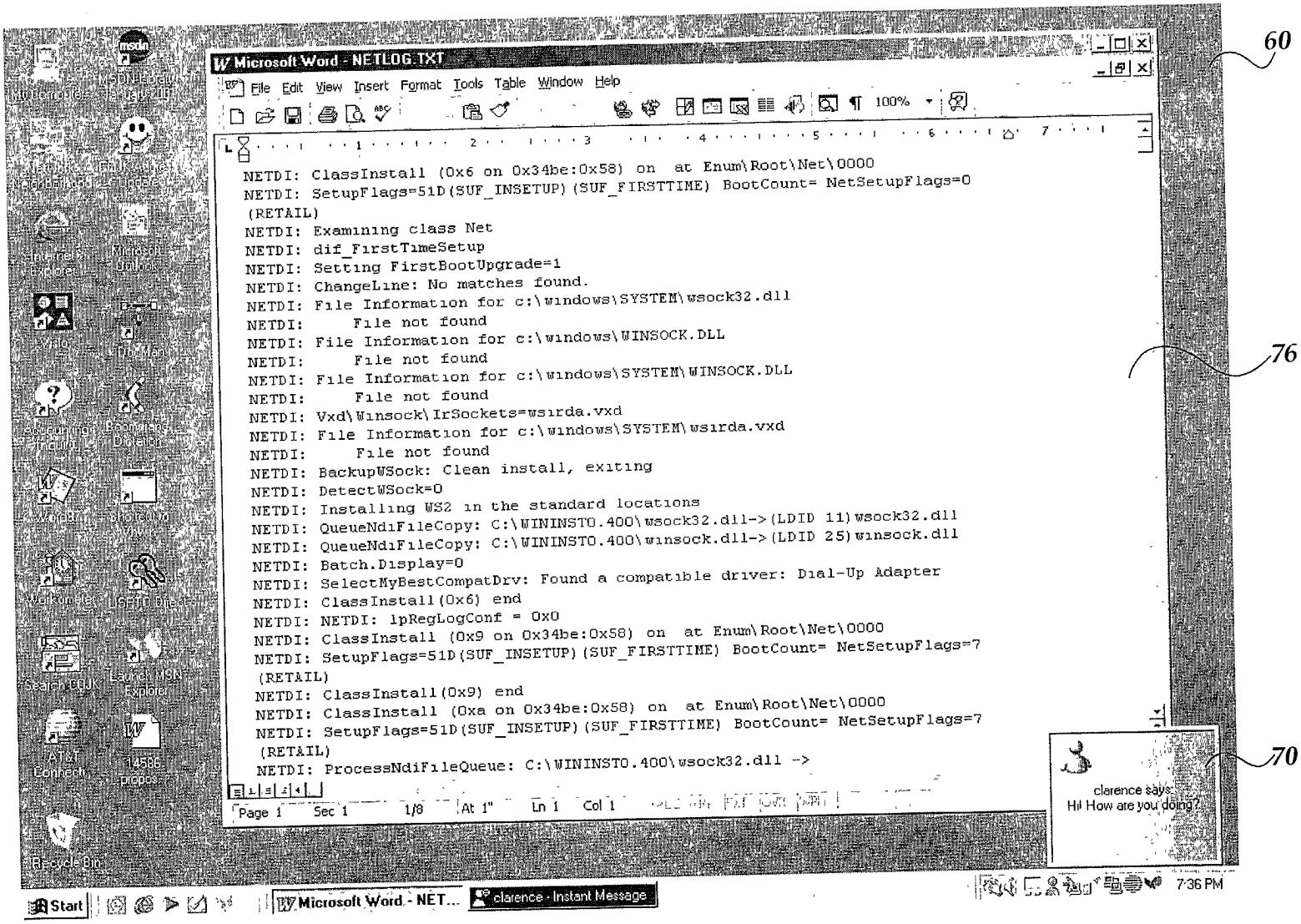
Microsoft Word - NETLOG.TXT
File Edit View Insert Format Tools Table Window Help
NETDI: ClassInstall (0x6 on 0x34be:0x58) on at Enum\Root\Net\0000
NETDI: SetupFlags=51D(SUF_INSETUP)(SUF_FIRSTTIME) BootCount= NetSetupFlags=0
(RETAIL)
NETDI: Examining class Net
NETDI: dif_FirstTimeSetup
NETDI: Setting FirstBootUpgrade=1
NETDI: ChangeLine: No matches found.
NETDI: File Information for c:\windows\SYSTEM\wsock32.dll
NETDI: File not found
NETDI: File Information for c:\windows\WINSOCK.DLL
NETDI: File not found
NETDI: File Information for c:\windows\SYSTEM\WINSOCK.DLL
NETDI: File not found
NETDI: Vxd\Winsock\IrSockets=wsirda.vxd
NETDI: File Information for c:\windows\SYSTEM\wsirda.vxd
NETDI: File not found
NETDI: BackupWSock: Clean install, exiting
NETDI: DetectWSock=0
NETDI: Installing WS2 in the standard locations
NETDI: QueueNdiFileCopy: C:\WININST0.400\wsock32.dll->(LDID 11)wsock32.dll
NETDI: QueueNdiFileCopy: C:\WININST0.400\winsock.dll->(LDID 25)winsock.dll
NETDI: Batch.Display=0
NETDI: SelectMyBestCompatDrv: Found a compatible driver: Dial-Up Adapter
NETDI: ClassInstall(0x6) end
NETDI: NETDI: lpRegLogConf = 0x0
NETDI: ClassInstall (0x9 on 0x34be:0x58) on at Enum\Root\Net\0000
NETDI: SetupFlags=51D(SUF_INSETUP)(SUF_FIRSTTIME) BootCount= NetSetupFlags=7
(RETAIL)
NETDI: ClassInstall(0x9) end
NETDI: ClassInstall (0xa on 0x34be:0x58) on at Enum\Root\Net\0000
NETDI: SetupFlags=51D(SUF_INSETUP)(SUF_FIRSTTIME) BootCount= NetSetupFlags=7
(RETAIL)
NETDI: ProcessNdiFileQueue: C:\WININST0.400\wsock32.dll ->
Page 1 Sec 1 1/8 At 1" Ln 1 Col 1
clarence says:
Hi! How are you doing?
Start
Microsoft Word - NET...
clarence - Instant Message
7:36 PM
60
76
70

Fig.10

Toshiba Section

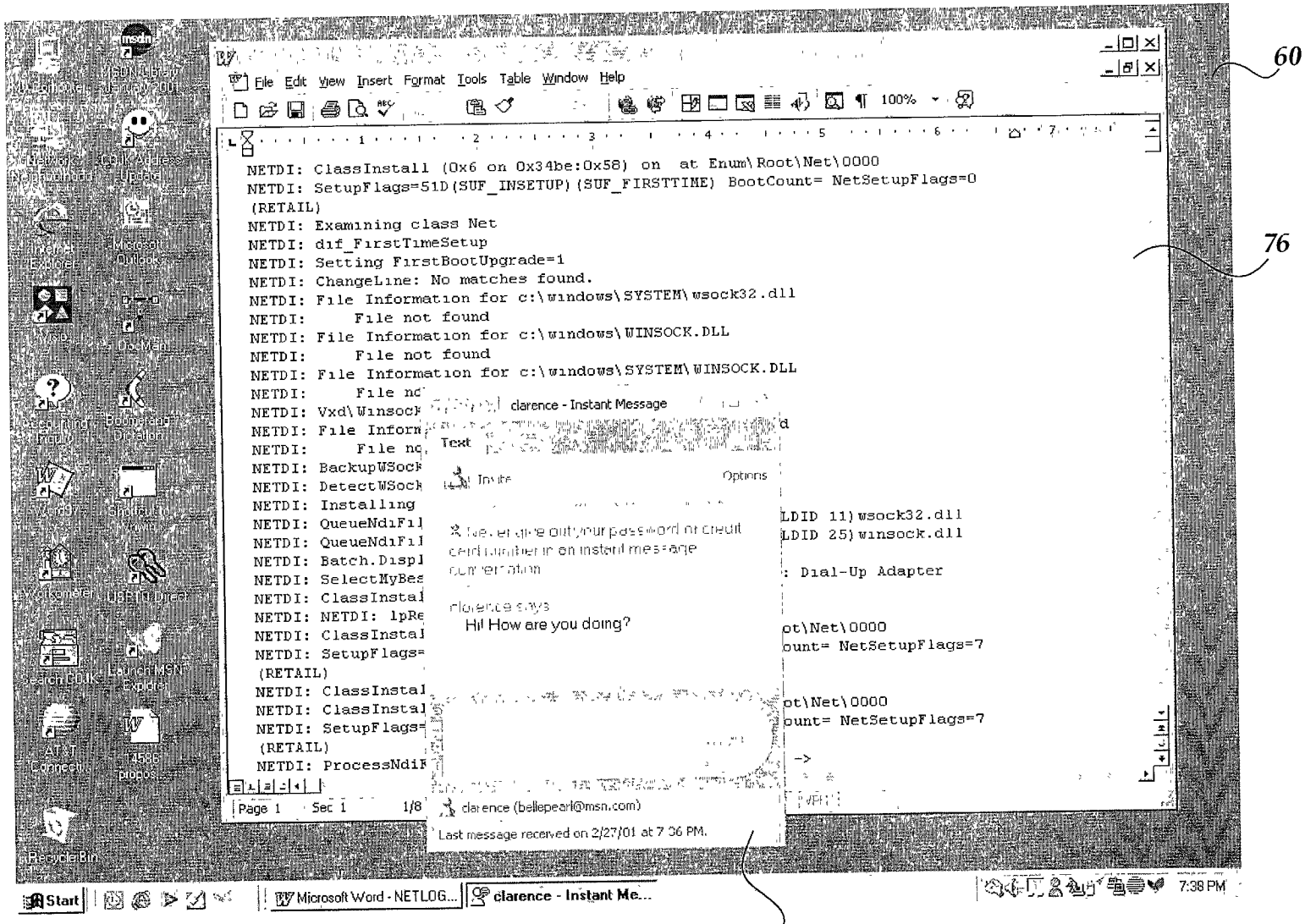

Fig.11

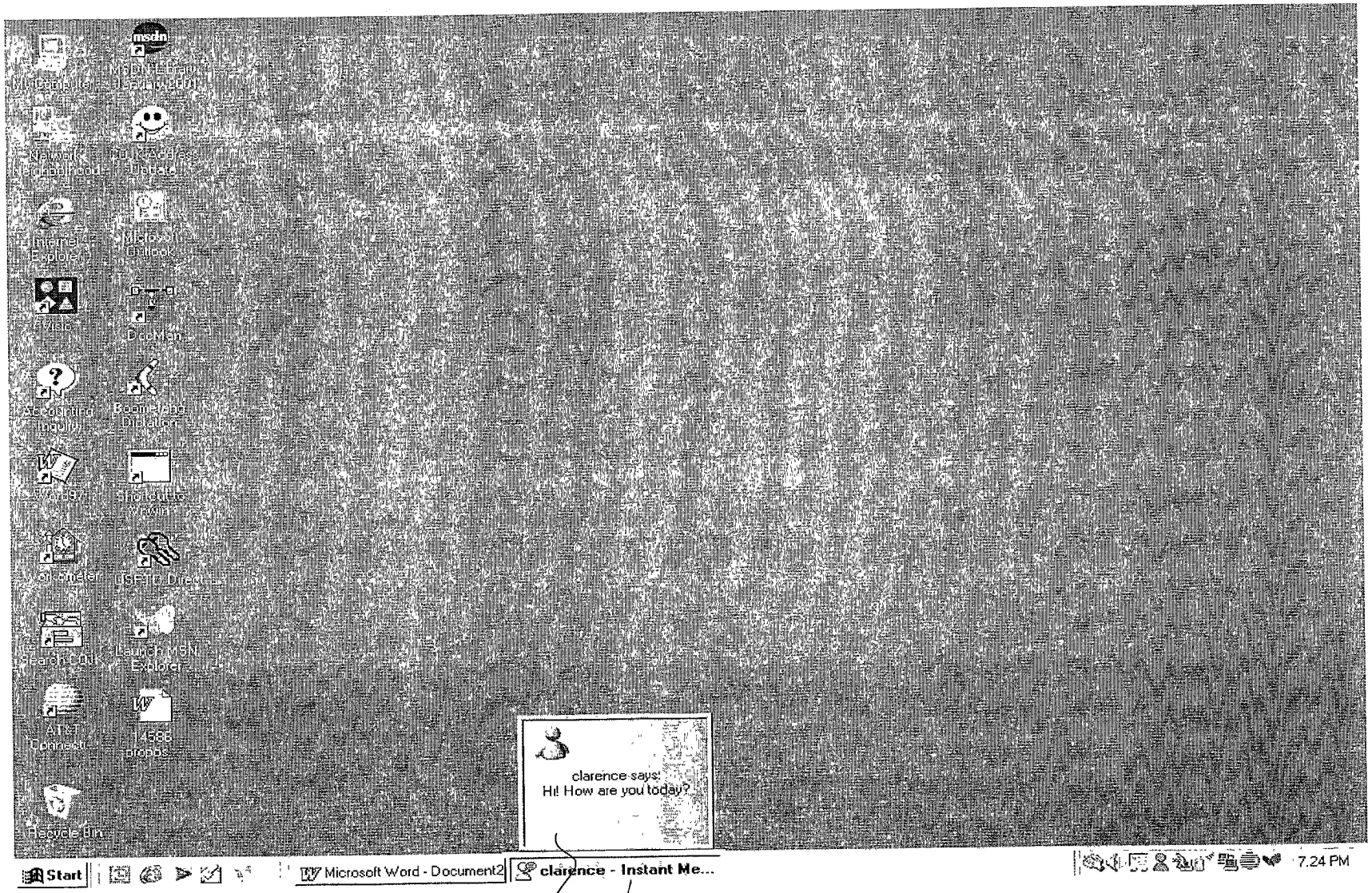
clarence says:
Hi! How are you today?
Start
Microsoft Word - Document2
clarence - Instant Me...
7:24 PM
70
66

Fig.12

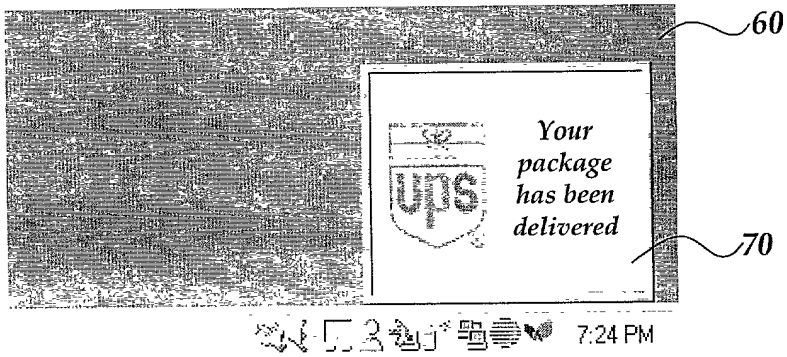

Fig.13A

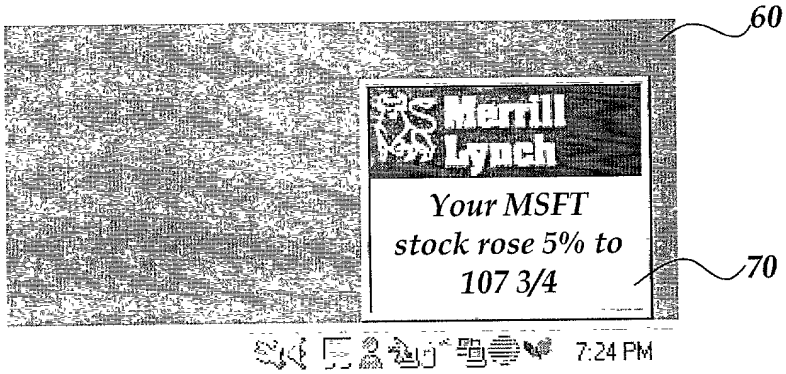

Fig.13B

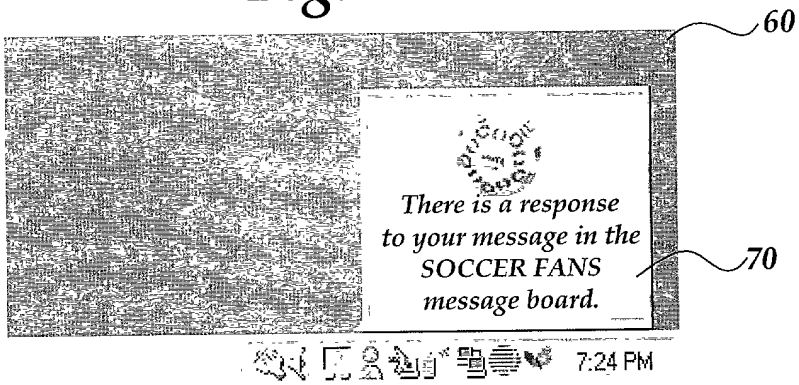

Fig.13C

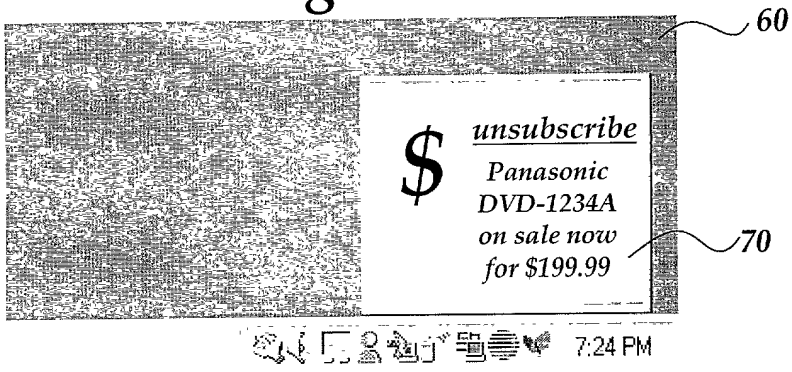

Fig.13D